# GOVERNMENT OF INDIA
# POWER
# LOK SABHA

UNSTARRED QUESTION NO:1528
ANSWERED ON:24.11.2016
LED
Mani Shri Jose K.

**Will the Minister of POWER be pleased to state:**

(a) whether the country has performed exceedingly well in terms of vastly improving access to LED lighting while reducing its costs drastically, as observed
by International Energy Agency if so, the details thereof;

(b) whether the International Energy Agency is partnering with the country to make LED programme global by trying the Indian model in Indonesia, if so the details thereof; and

(c) whether the LED prices have fallen sharply from Rs. 310/- per piece in 2014 to less than Rs. 55/- as of March 2016 while its production capacity has been ramped up substantially, if so, the details thereof?

## Answer

THE MINISTER OF STATE (INDEPENDENT CHARGE) FOR POWER,
COAL, NEW & RENEWABLE ENERGY AND MINES

( SHRI PIYUSH GOYAL )

(a) to (c): Hon'ble Prime Minister of India launched the National LED programme on 5th January, 2015, which is being implemented by Energy Efficiency Services Limited (EESL), a joint venture company of Public Sector Undertakings (PSUs) under the Ministry of Power. Two initiatives, viz., Domestic Efficient Lighting Programme (DELP) and Street Light National Programme (SLNP), have been initiated under this programme, wherein household lighting and street lights respectively are replaced with LEDs. EESL has developed an innovative business model in which the entire investment in these programmes is made by it and the investment is paid back over a time from energy savings. This obviates a need for any Government funding for this programme. There is no element of subsidy in the scheme and the aggregation of demand and bulk procurement has resulted in reduction of about 88% in procurement prices of LED bulbs from Rs.310/-(February, 2014) to Rs.38/- (August 2016) which is passed on to the consumers.
Progress of Implementation of National LED Programme as on 21.11.2016 is given below :-

| Parameters | DELP | SLNP |
|---|---|---|
| Total number of bulbs/street lights replaced | 17.89 crores | 14.45 lakhs |
| Avoided capacity generation | 4649 MW | 47.69 MW |
| Energy saved | 23.2 billion kWh/year | 512959 kWh/day |
| Reduction in carbon foot print | 18.8 million tonnes CO2 / year | 435 tonnes CO2 /day |

There is no partnership between International Energy Agency (IEA) and Government of India/EESL to make LED programme global. However, IEA is highlighting its success in various countries including Indonesia.

**********